



Curriculum Vitae

MIRCIOIU CONSTANTIN

Work experience

2004-present

Dean (2004 – 2008), Scientific Chancellor (2008 -2012)

“Carol Davila” University of Medicine and Pharmacy Bucharest, Faculty of Pharmacy, **Mathematics and Applied Biostatistics Department**

PhD coordinator

Dates

1975-present

Occupation or position held

Head of Dept. of Pharmaceutical Technology and Biopharmacy, **Army Center for Medical Research**

Researcher, Biopharmacy Laboratory (1984-Pharmacist in the Laboratory for production of solid and semisolid drugs (1982-1984)

Chief of the Department of Medical Computing of the Radiobiology Laboratory at Fundeni Clinical Hospital (1975-1982)

Main activities and responsibilities

Study of the action mechanism of drug molecules at the membrane interfaces

Pharmacokinetics ,Toxicokinetics ,Research, development and production antidotes for chemical, nuclear and bacteriological weapons

1969- 1975, Pharmacist **Central Military Hospital**

Education and training

Dates

1977, PhD in Pharmaceutical Physical Chemistry

Thesis Title: “Research on the mechanism of interactions in colloidal systems: water-suspension-surface active agents systems”, “Carol Davila” University of Medicine and Pharmacy Bucharest

Dates

1970 – 1975, Faculty of Mathematics, University of Bucharest

Thesis Title:“Catastrophe theory applied in the theory of Landau singularities”, coordonator Prof Costake Teleman

Dates

1964 – 1969, Faculty of Pharmacy, “Carol Davila” University of Medicine and Pharmacy Bucharest

Physical Chemistry, Drug Control, Biostatistics, Pharmaceutical Technology and Biopharmacy,

Other language(s)

Engleza, Franceza, Rusa

INTERNATIONAL

Member in the management committees of

- **COST Actions B15 (Modelling in Drug Research, 1999-2004) and**
 - **Cost Action B25 (Physiological Pharmaco/Toxico Kinetics and Dynamics 2005 – 2009)**
 - **QA- PHAR Quality Assurance in Pharmaceutical Education: EU ERASMUS Lifelong Learning Programme**
- Member of The American Association of Pharmaceutical Scientists

Member of **Scientific Advisory Committee, European Center for Validation of Alternative Methods , JRC Ispra, 2006-2009**

Member in Board of European Society of Clinical Hemorheology

ORGANIZER, Chairman or co-chairman at international meetings, in cooperation with

NATIONAL AND INTERNATIONAL RECOGNITION

- EUROPEAN FEDERATION OF PHARMACEUTICAL SCIENCES,
- AMERICAN ASSOCIATION OF PHARMACEUTICAL SCIENTISTS,
- INTERNATIONAL PHARMACEUTICAL FEDERATION.

- NATO Advanced Research Workshop on Nuclear, Bacteriologic and Chemical Risks, Aprilie 1998, Bucuresti;
- International symposium on Bioavailability, Pharmacokinetics and Toxicokinetics in Drug Development, 8 and 9 noiembrie, 1999, Bucuresti
- 5-th Balcanic Workshop on Drug Metabolism and Toxicity of Xenobiotics, mai 2002 , Constanta,
- International Symposium on Scientific and Regulatory Aspects of Dissolution and Bioequivalence, Bucuresti, decembrie 2003,
- Hands-on Dissolution, Bucuresti, octombrie 2005;
- School of Advanced Studies: "Biowaivers, development of in vitro-in vivo correlations and quality generic drugs", Bucuresti, iulie, 2014

NATIONAL

-- **President of Romanian Society of Pharmaceutical Sciences (2011-2014)**

- **Dean** of the Faculty of Pharmacy, Bucharest, 2004-2008, **Chancellor** 2008 – 2012

- **Member of the Romanian Medical Sciences Academy, President of Pharmaceutical Sciences Section**

President or vice-president or member in all previous Pharmacy Commissions of CNATDCU

Awards: "Daniel Daniepolu" Prize of the Romanian Academy, 1994, for the "Pharmacological mechanisms at membranal interfaces" , Ed. Academiei.

General Secretary of Romanian Foundation of Hemorheology,

Secretar General Comisia Nationala de Etica

Technical skills and competences

Fields of Specialisation

(i) **main field:** biopharmacy and pharmacokinetics

(ii) **other fields:** pharmaceutical technology, biostatistics

Current research activities: fundamental research concerning the physicochemical component of the action mechanism of drug molecules at the membrane interfaces; mathematical methods applied in biopharmacy, pharmacokinetics, toxokinetics and clinical pharmacy; applied research in pharmaceutical technology in antidote design, dissolution, bioanalytics and bioequivalence of drugs.

Computer skills and competences

Programming: FORTRAN, COBOL/ Statistical and pharmacokinetic software

EUROPEAN PROJECTS

Scientific projects

- Action Cooperation in Science and Technology (COST) B15 “Modelling in Drug Research”, 1999-2004), (**co-director** for Romania with Acad Victor Voicu)
- Action COST B25 “ Physiological Pharmaco/Toxico Kinetics and Dynamics”, 2005 – 2009) (co-director for Romania with Acad Victor Voicu),

Pharmaceutical Education projects.

- **PHARMINE:** Pharmaceutical Education in EUROPE – (associated member)

- **QA- PHAR Quality Assurance in Pharmaceutical Education**: EU ERASMUS Lifelong Learning Programme (527194-LLP-1-2012-1-BE-ERASMUS-EMCR (2012 – 2016) (**manager for Romania**))

National research contracts : 10 (4 – project manager)

FOUNDED INSTITUTIONS , DISCIPLINES, SCHOOLS

- **Statistics applied in pharmacy and clinical studies**, new discipline at Faculty of Pharmacy, UMF “Carol Davila” (1995 -),
- **Masterate “Biostatistics” at the Faculty of Mathematics**,_Universitatea Bucuresti (2001 -)
- **Ph.D. Speciality Physical Chemistry of Drugs and Biopharmacy and foundation of Biopharmacy Laboratory and discipline at Bucharest Faculty of Pharmacy , at Craiova Faculty of Pharmacy,**
- **Biopharmacy and Pharmacokinetics** school finalized particularly by foundation of **Biopharmacy and Pharmacology Res S.A (BP-RES)** , laboratory for bioequivalence clinical studies.
- Romanian Society of Hemorheology,
- **Industrial pharmacy school** finalized particularly by foundation of **Labormed – Pharma S.A.** , research, development and production company,

Publicatii in 2019, 2020

ESTIMATION OF THE IN VIVO RELEASE OF AMIODARONE FROM THE PHARMACOKINETICS OF ITS ACTIVE METABOLITE, AND CORRELATION WITH ITS IN VITRO RELEASE

Constantin Mircioiu* , Maytham Razaq Shleghm, Victor A Voicu, Ion Mircioiu and Valentina Anuta , FRONTIERS IN PHARMACOLOGY, accepted December 2020

Sources of outlier data in the bioanalytical and clinical part of a piroxicam bioequivalence study

By: Sandulovici, Roxana; Mircioiu, Ion; Aboul-Enein, Hassan Y.; et al.

INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY AND THERAPEUTICS Volume: 58 Issue: 11 Pages: 652-663 Published: NOV 2020

Development and Characterization of Orally Disintegrating Tablets Containing a Captopril-Cyclodextrin Complex

By: Musuc, Adina Magdalena; Anuta, Valentina; Atkinson, Irina; et al.

PHARMACEUTICS Volume: 12 Issue: 8 Article Number: 744 Published: AUG 2020

Estimation of the Effects of Food on the Pharmacokinetic Results in Bioequivalence Studies

By: Mircioiu, Ion; Anuta, Valentina; Mircioiu, Constantin; et al.

REVISTA DE CHIMIE Volume: 70 Issue: 8 Pages: 2805-2810 Published: AUG 2019

In Vitro-In Vivo Correlations Based on In Vitro Dissolution of Parent Drug Diltiazem and Pharmacokinetics of Its Metabolite

By: Mircioiu, Constantin; Anuta, Valentina; Mircioiu, Ion; et al.

PHARMACEUTICS Volume: 11 Issue: 7 Article Number: 344 Published: JUL 2019

Effect of a New Synergistic Combination of Low Doses of Acetylsalicylic Acid, Caffeine, Acetaminophen, and Chlorpheniramine in Acute Low Back Pain

By: Voicu, Victor A.; Mircioiu, Constantin; Plesa, Cristina; et al.

FRONTIERS IN PHARMACOLOGY Volume: 10 Article Number: 607 Published: JUN 20 2019

Modelling of release kinetics of mebendazole from solid dispersion based formulations in simulated gastric fluid

By: Sandulovici, Roxana; Mircioiu, Constantin; Voicu, Victor; et al.

ROMANIAN BIOTECHNOLOGICAL LETTERS Volume: 25 Issue: 2 Pages: 1473-1481 Published: MAR-APR 2020

Pharmacokinetics of RIF in patients with newly diagnosed, pulmonary tuberculosis. Comparison with pharmacokinetics in healthy subjects

By: Ghiciuc, Cristina Mihaela; Sandulovici, Roxana; Mircioiu, Constantin; et al.

ROMANIAN BIOTECHNOLOGICAL LETTERS Volume: 25 Issue: 1 Pages: 1296-1303 Published: JAN-FEB 2020

[Mathematical Modeling of Release Kinetics from Supramolecular Drug Delivery Systems](#)

By: [Mircioiu, Constantin](#); [Voicu, Victor](#); [Anuta, Valentina](#); et al.

PHARMACEUTICS Volume: 11 Issue: 3 Article Number: 140 Published: MAR 2019 (As of July/August 2020, this [highly cited paper](#) received enough citations to place it in the top 1% of the academic field of Pharmacology & Toxicology based on a highly cited threshold for the field and publication year. *Data from Essential Science Indicators, Web of Knowledge*)

[Mathematical Models as Tools to Predict the Release Kinetic of Fluorescein from Lyotropic Colloidal Liquid Crystals](#)

By: [Paolino, Donatella](#); [Tudose, Andra](#); [Celia, Christian](#); Constantin Mircioiu

MATERIALS Volume: 12 Issue: 5 Article Number: 693 Published: MAR 1 2019